



FIG. 1

Cy3 - SIGNAL



Cy3 - TARGET HYBRIDIZATION
WITH ADDITIONAL NANOPARTICLE PROBE



Cy3 - TARGET HYBRIDIZATION

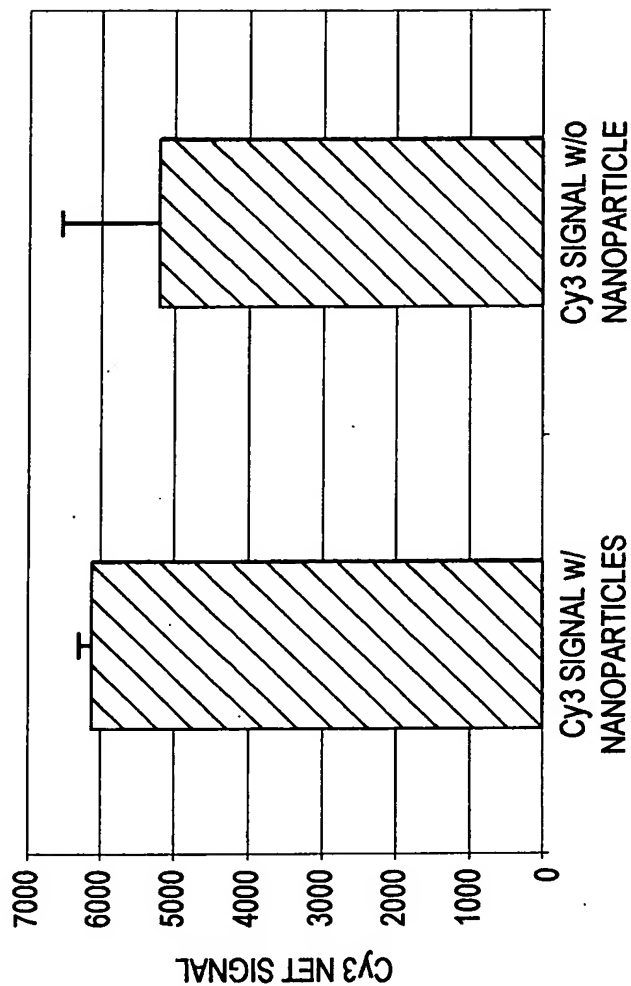


FIG. 2

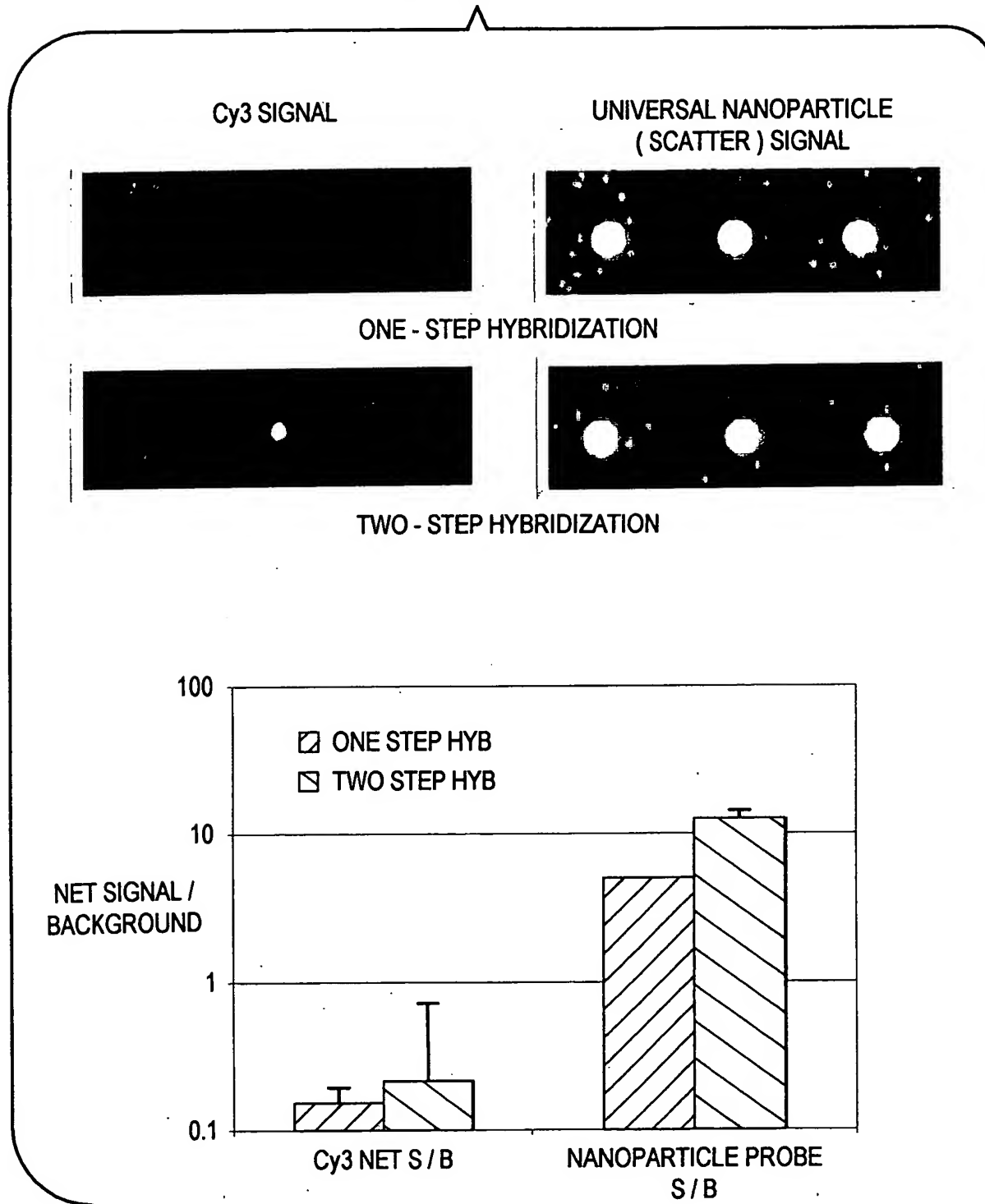


FIG. 3

FIG. 3a

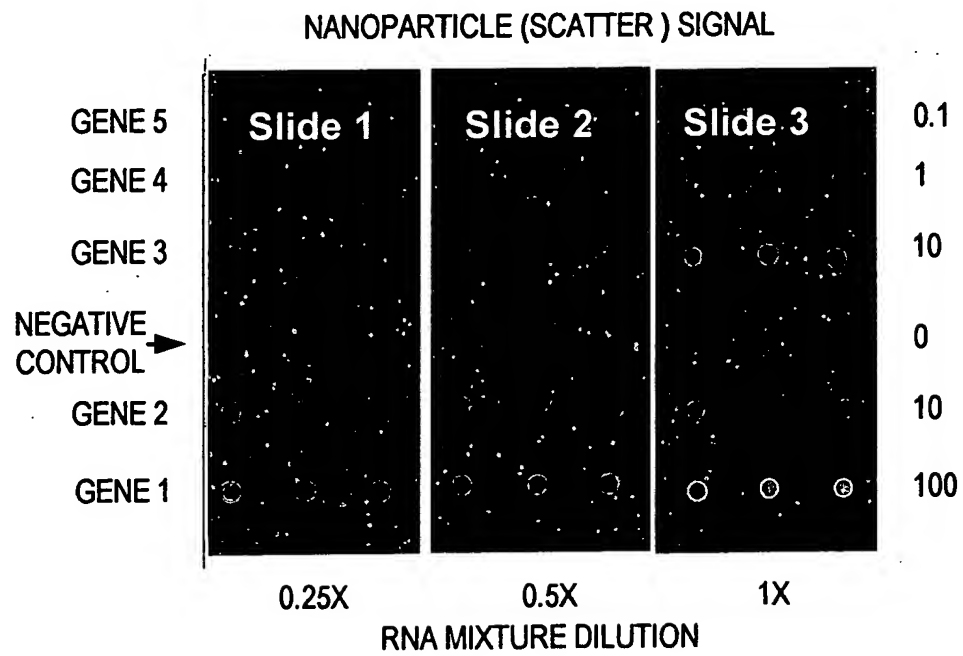


FIG. 3b

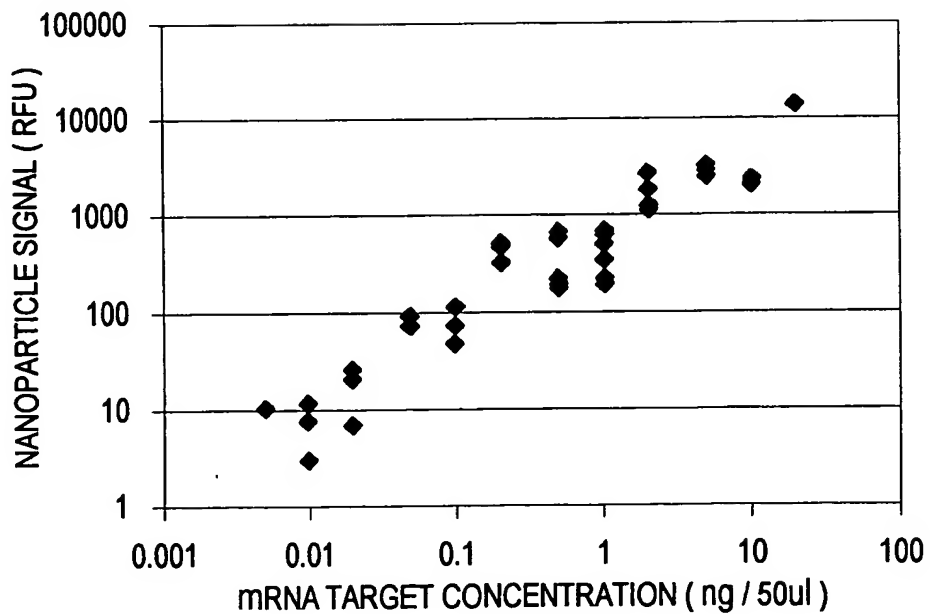


FIG. 4

FIG. 4a

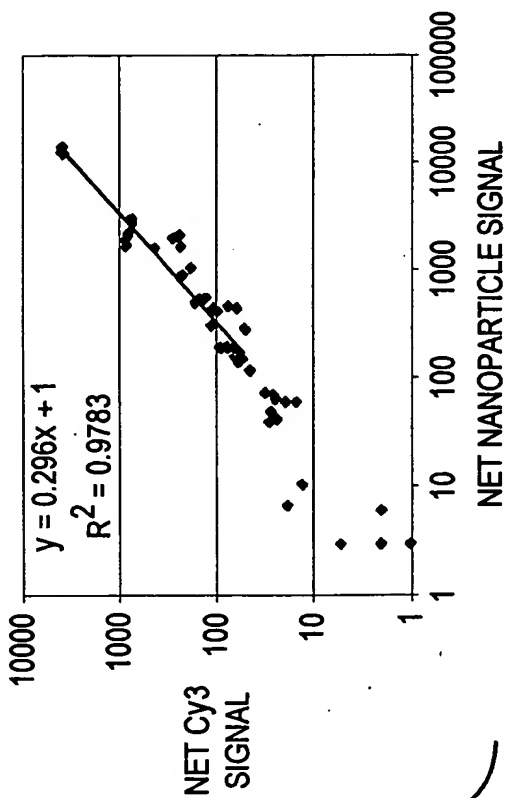
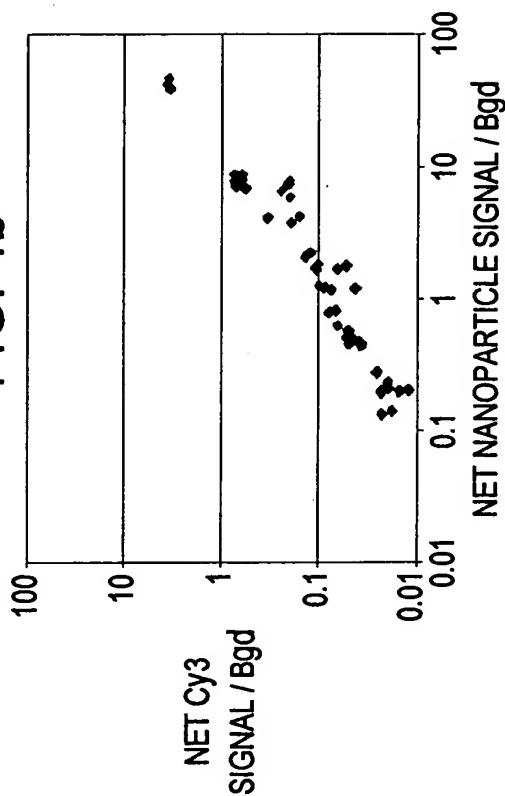


FIG. 4b



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CAPTURE OLIGO

CONC. (μM)

CYTOCHROME

C OXIDASE

SUBUNIT VIC

BETA ACTIN

FORMAMIDE

CONCENTRATION

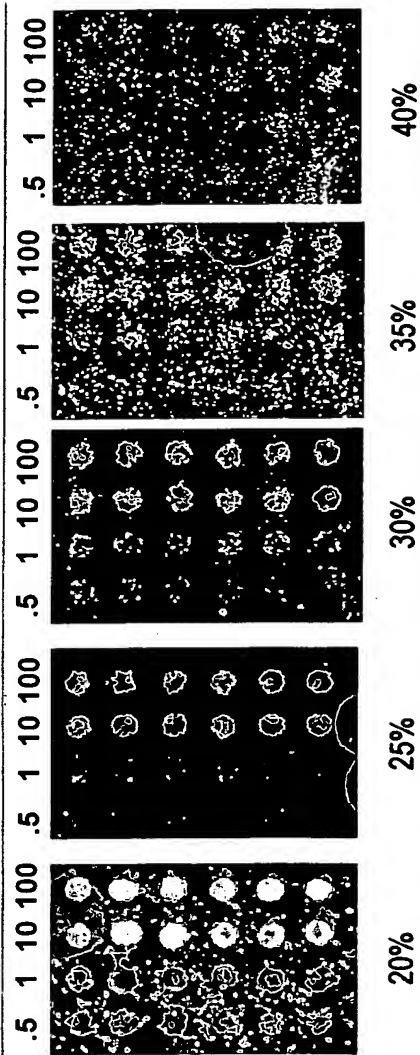


FIG. 5

FIG. 6

FIG. 6a

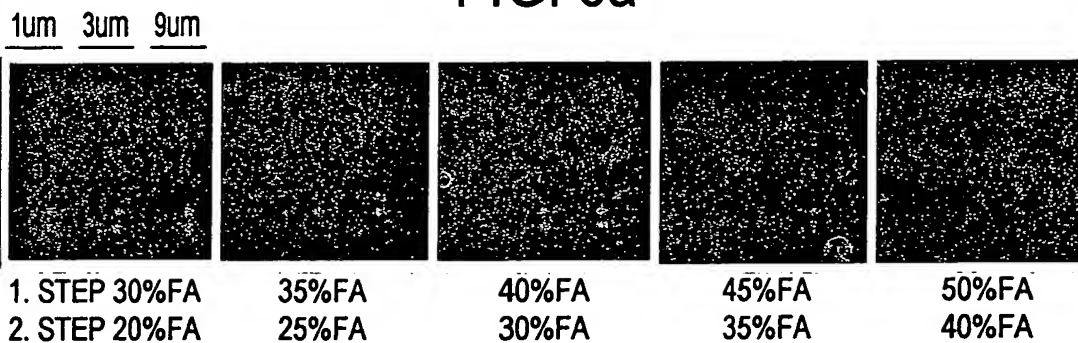


FIG. 6b

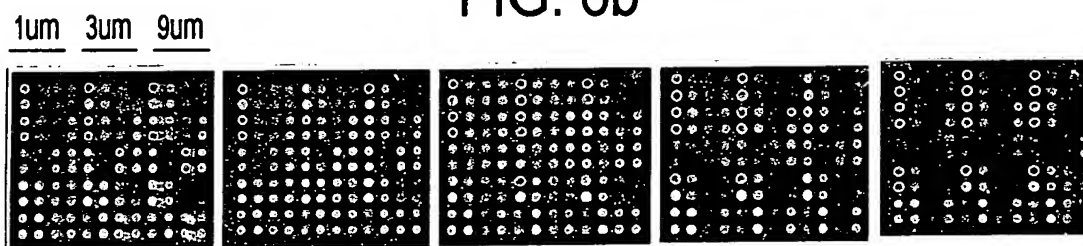


FIG. 6c

| 1 um | | | | 3 um | | | | 9 um | | | |
|-------|------|------|------|-------|------|------|------|-------|------|------|------|
| (12) | (8) | (5) | (1) | (12) | (8) | (5) | (1) | (12) | (8) | (5) | (1) |
| (12) | (8) | (5) | (1) | (12) | (8) | (5) | (1) | (12) | (8) | (5) | (1) |
| (13) | (8b) | (5b) | (2) | (13) | (8b) | (5b) | (2) | (13) | (8b) | (5b) | (2) |
| (13) | (8b) | (5b) | (2) | (13) | (8b) | (5b) | (2) | (13) | (8b) | (5b) | (2) |
| (13s) | (9) | (6) | (2b) | (13s) | (9) | (6) | (2b) | (13s) | (9) | (6) | (2b) |
| (13s) | (9) | (6) | (2b) | (13s) | (9) | (6) | (2b) | (13s) | (9) | (6) | (2b) |
| (14) | (10) | (7) | (3) | (14) | (10) | (7) | (3) | (14) | (10) | (7) | (3) |
| (14) | (10) | (7) | (3) | (14) | (10) | (7) | (3) | (14) | (10) | (7) | (3) |
| (B) | (11) | (7s) | (4) | (B) | (11) | (7s) | (4) | (B) | (11) | (7s) | (4) |
| (B) | (11) | (7s) | (4) | (B) | (11) | (7s) | (4) | (B) | (11) | (7s) | (4) |

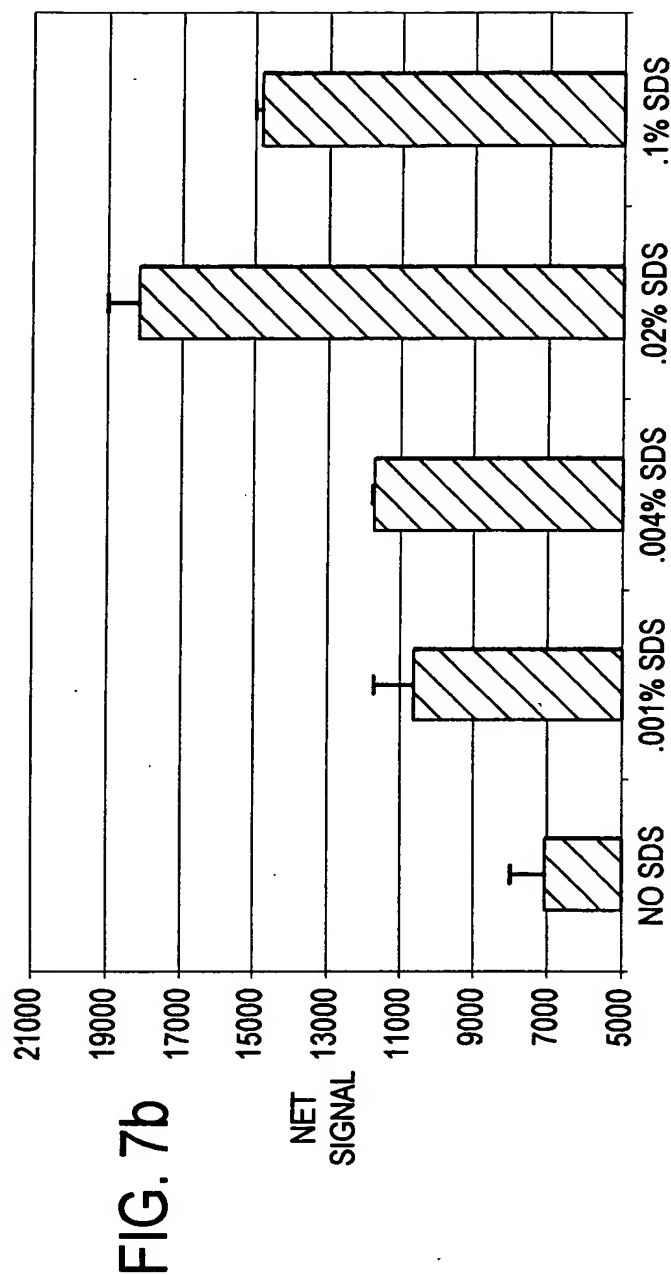
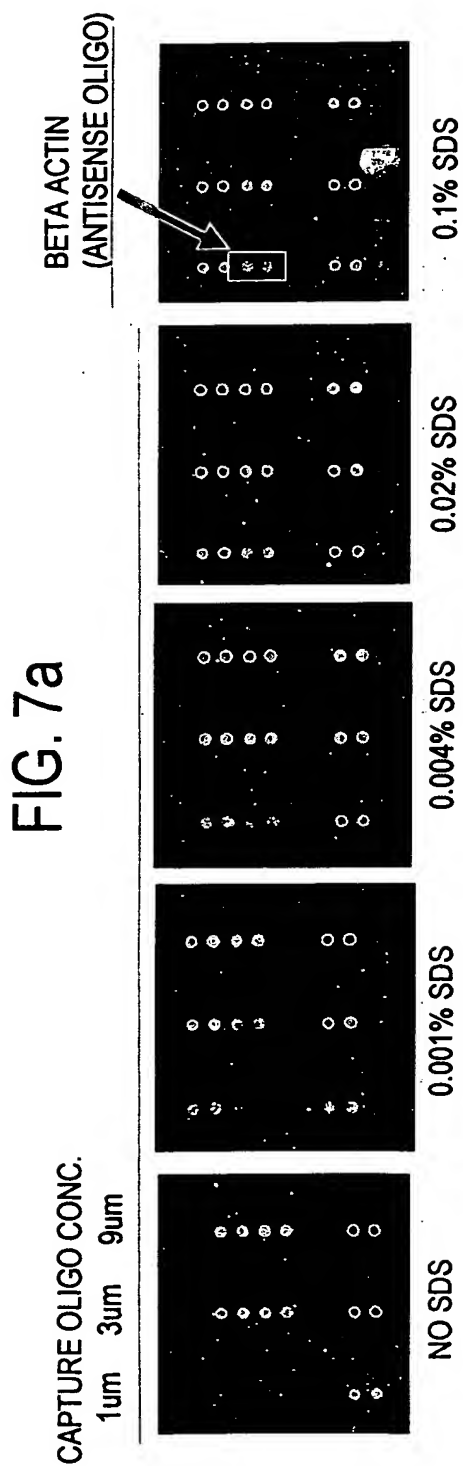


FIG. 7

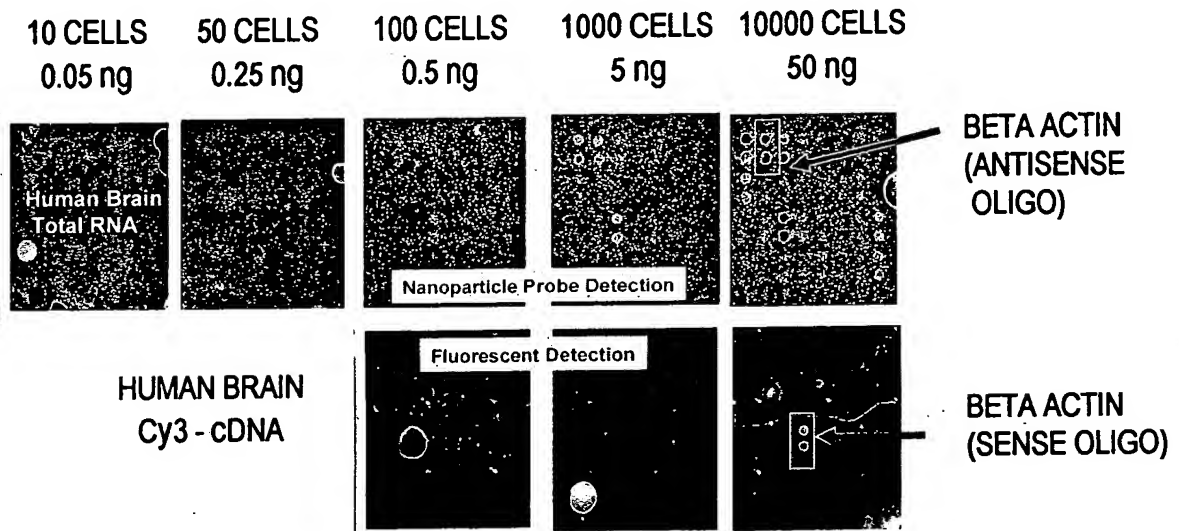
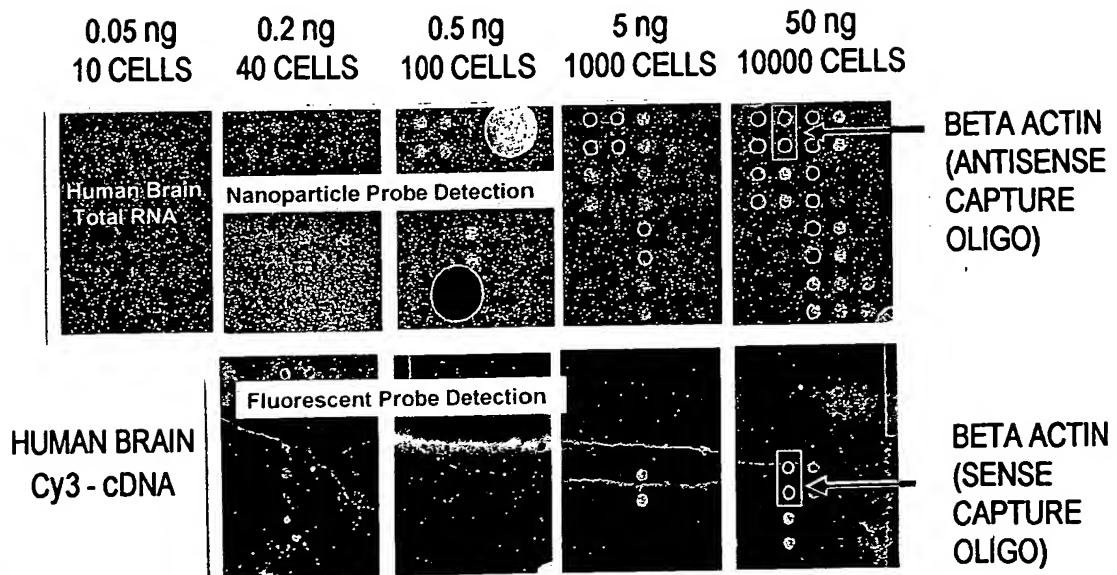
FIG. 8**FIG. 8a****FIG. 8b**

FIG. 9

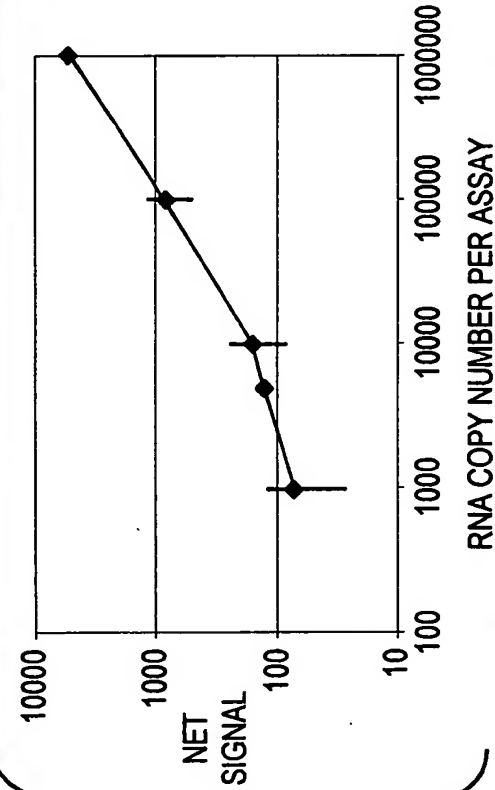
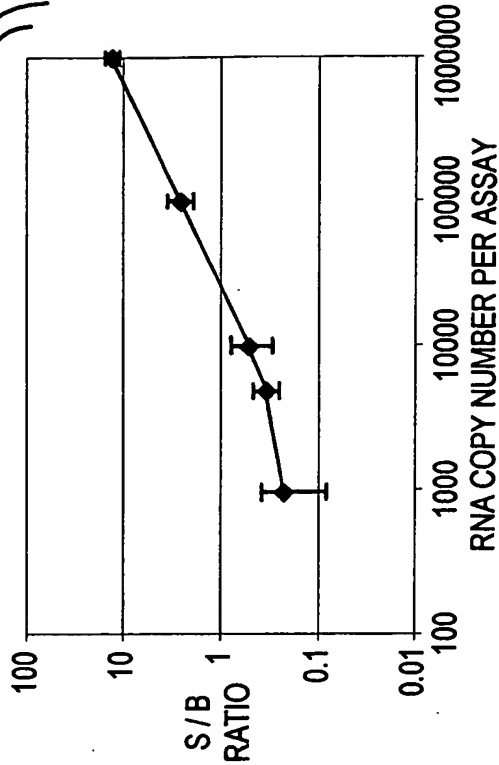


FIG. 9a

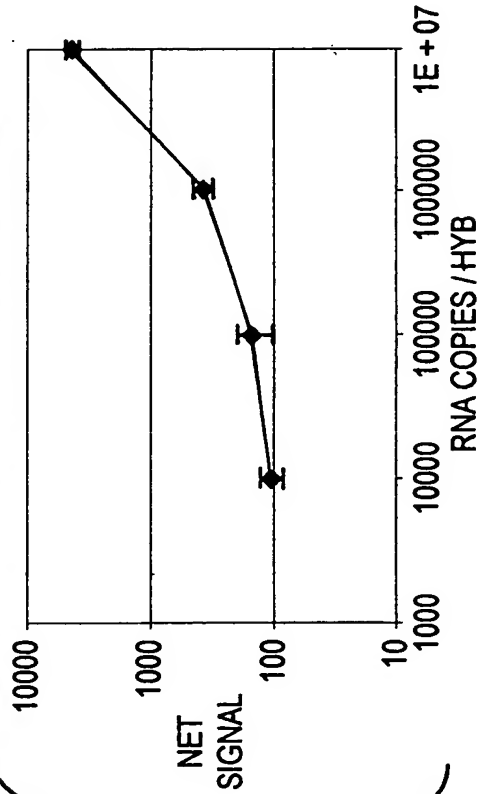
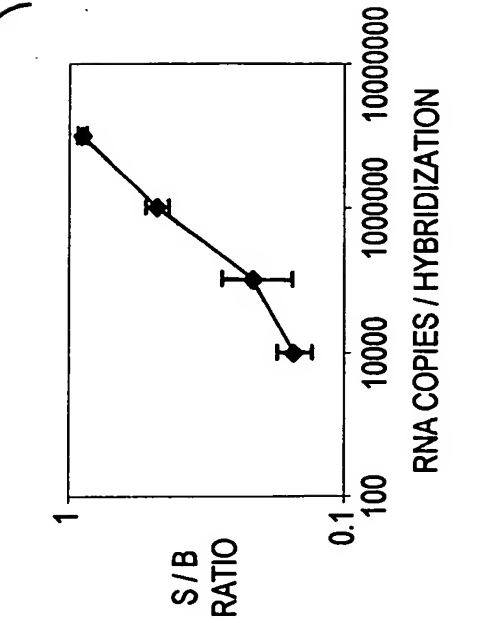


FIG. 9b